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## ABSTRACT

A method of using a computer to control a survey measurement device for determining a virtual location of a virtual model object corresponding to the feature. Initially, the survey measurement device is directed at the feature. Then the computer issues a command to the survey measurement device to determine coordinates of the feature relative to the survey measurement device and receives from the survey measurement device the relative coordinates of the feature. The computer then records the relative coordinates into a corresponding virtual location in the model and establishes at the virtual location the virtual object corresponding to the feature.